

## Contents

### Marine Chemistry, Vol. 38 (1992)

#### Research Papers

Isolation of compounds with affinity for copper from seawater using immobilized copper ion affinity chromatography A.S. Gordon (Norfolk, VA, USA) .....	1
Gas chromatographic separation of the enantiomers of marine pollutants. Part 3. Enantioselective degradation of $\alpha$ -hexachlorocyclohexane and $\gamma$ -hexachlorocyclohexane by marine microorganisms P. Ludwig, H. Hühnerfuss, W.A. König and W. Gunkel (Hamburg, Germany) .....	13
Ethylene and ethane production in an estuarine river: formation from the decomposition of polyunsaturated fatty acids R.F. Lee and J. Baker (Savannah, GA, USA) .....	25
Procedure for calibration of a coulometric system used for total inorganic carbon measurements of seawater C. Goyet and S.D. Hacker (Woods Hole, MA, USA) .....	37
Organic matter in large turbid rivers: the Huanghe and its estuary S. Zhang, W.-B. Gan and V. Ittekkot (Hamburg, Germany) .....	53
A new cathodic stripping voltammetric method for determining organic copper complexation in seawater J.R. Donat and C.M.G. van den Berg (Liverpool, UK) .....	69
The solubility of ferric ion in marine mineral aerosol solutions at ambient relative humidities X. Zhu, J.M. Prospero, F.J. Millero, D.L. Savoie and G.W. Brass (Miami, FL, USA) ...	91
Chemical removal of oxygen with sulfite for the polarographic or voltammetric determination of iodate or iodide in seawater G.T.F. Wong and L.-S. Zhang (Norfolk, VA, USA) .....	109
Sulfur isotope exchange between $^{35}\text{S}$ -labeled inorganic sulfur compounds in anoxic marine sediments H. Fossing, S. Thode-Anderson and B.B. Jørgensen (Aarhus, C, Denmark) .....	117
Dissolution rate and solubility of colloidal hydrous ferric oxide in seawater K. Kuma, S. Nakabayashi, Y. Suzuki and K. Matsunaga (Hakodate, Japan) .....	133
 <b>Book Reviews</b>	
Contaminated Sediments .....	145
Coastal Oceanography .....	146

#### Research Papers

Stability of solutions of nutrient salts during storage D.S. Kirkwood (Lowestoft, UK) .....	151
The behaviour of Cu(II) ion selective electrode in seawater; copper consumption	

capacity and copper determinations D.A. Román and L. Rivera (Antofagasta, Chile) .....	165
Rare earth element geochemistry of ferromanganese deposits from the Indian Ocean B. Nagender Nath, W.L. Plüger (Aachen, Germany), V. Balaram (Hyderabad, India) and M. Sudhakar (London, UK) .....	185
Investigations of iron coordination and redox reactions in seawater using $^{59}\text{Fe}$ radiometry and ion-pair solvent extraction of amphiphilic iron complexes R.J.M. Hudson, D.T. Covault and F.M.M. Morel (Cambridge, MA, USA) .....	209
Mercury concentration in the water, particulate matter, plankton and sediment of the Adriatic Sea R. Ferrara and B.E. Maserti (Pisa, Italy) .....	237
Alkalinity titration in seawater: how accurately can the data be fitted by an equilibrium model? J.N. Butler (Cambridge, MA, USA) .....	251
The kinetics of Fe(II) complexation by Ferrozine in seawater J. Lin and D.R. Kester (Narragansett, RI, USA) .....	283
Geochemistry of suspended matter from the Baltic Sea. 2. Results of bulk trace metal analysis by AAS L. Brüggemann (Rostock-Warnemünde, Germany), P.C. Bernard and R. van Grieken (Antwerp-Wilrijk, Belgium) .....	303
<i>Technical Note</i>	
A note of caution on reduction conditions when using the cadmium-copper column for nitrate determinations in aquatic environments of varying salinities Y. Collos (L'Houmeau, France), K. Yin and P.J. Harrison (Vancouver, B.C., Canada) .....	325

